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the second operational mode comprises off-road mode in which the vehicle position is displayed irrelative to a road system;

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*cont*

b) selecting a desired cartographic entity for a cartographic feature based upon the operational mode including selecting a less detailed desired cartographic entity for the cartographic feature in the first operational mode and selecting a more detailed desired cartographic entity than the less detailed desired cartographic entity for the same cartographic feature in the second operational mode; and

c) displaying the selected desired cartographic entity on the video display.

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7. (Amended) A method of selectively displaying cartographic features on a video display of a navigation system, the method comprising the steps of:

a) determining an operational mode of the navigation system, wherein the navigation system includes first and second operational modes and the first operational mode is defined by a predetermined vehicle speed;

*A<sub>2</sub>*

b) selecting a desired cartographic entity for a cartographic feature based upon reaching the predetermined vehicle speed in the first operational mode including selecting a less detailed desired cartographic entity for the cartographic feature at the predetermined vehicle speed in the first operational mode and selecting a more detailed desired cartographic entity than the less detailed desired cartographic entity for the same cartographic feature in the second operational mode; and

c) displaying the selected desired cartographic entity on the video display.

8. (Amended) A method of selectively displaying cartographic features on a video display of a navigation system, the method comprising the steps of:

a) determining an operational mode of the navigation system, wherein the navigation system includes first and second operational modes and the first operational mode comprises a panning mode in which a displayed area on the video display is shifted relative to the displayed vehicle location independent of a change in vehicle location;

b) selecting a desired cartographic entity for a cartographic feature based upon the operational mode including selecting a less detailed desired cartographic entity for the

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cartographic feature in the first operational mode and selecting a more detailed desired cartographic entity than the less detailed desired cartographic entity for the same cartographic feature in the second operational mode; and

- c) displaying the selected desired cartographic entity on the video display.

9. (Amended) A method of selectively displaying cartographic features on a video display of a navigation system, the method comprising the steps of:

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- a) determining an operational mode of the navigation system, wherein the navigation system includes first and second operational modes and the less detailed desired cartographic entity is defined by a perimeter with cross-hatching disposed within the perimeter and the more detailed desired cartographic entity is defined by the perimeter with solid shading disposed within the perimeter;

- b) selecting a desired cartographic entity for a cartographic feature based upon the operational mode including selecting a less detailed desired cartographic entity for the cartographic feature in the first operational mode and selecting a more detailed desired cartographic entity than the less detailed desired cartographic entity for the same cartographic feature in the second operational mode; and

- c) displaying the selected desired cartographic entity on the video display.
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11. (Amended) A method of selectively displaying cartographic features on a video display of a navigation system, the method comprising the steps of:

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- a) determining an operational mode of the navigation system;
- b) selecting a first cartographic entity for a first cartographic feature based upon the operational mode, wherein the first cartographic entity is a vehicle route having a first intensity, and selecting a second intensity for a second desired cartographic entity for a second cartographic feature which is different than the first intensity; and

- c) simultaneously displaying the first and second desired cartographic entities on the video display.

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17. (Amended) An apparatus for a navigation system for selectively displaying cartographic features, the apparatus comprising:

at least one position determining device for providing a vehicle location signal;

a database having a map with cartographic features and cartographic entities for representing said cartographic features;

a processor interconnected to said at least one positioning device and said database for determining the location of the vehicle relative to said map;

a video display connected to said processor for displaying an area of said map;

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a plurality of operational modes each displaying said map area, wherein said processor determines an operational mode from said plurality of said operational modes and selects a desired cartographic entity for a cartographic feature based upon said operational mode, said processor displaying said selected desired cartographic entity on said video display, wherein said plurality of operational modes includes first and second operational modes, and said processor selects a less detailed desired cartographic entity for said for said cartographic feature in said first operational mode and selects a more detailed desired cartographic entity than said less detailed desired cartographic entity for said same cartographic feature in said second operational mode, and wherein said first operational mode comprises on-road mode in which a vehicle position is displayed relative to a road system and said second operational mode comprises off-road mode in which said vehicle position is displayed irrelative to a road system.

25. (Amended) A method of displaying a cartographic features on a video display of a navigation system, the method comprising the steps of:

a) determining an operational mode of the navigation system;

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b) selecting a first desired intensity for a first desired cartographic entity defining a focal cartographic entity based upon the operational mode and selecting a second desired intensity for a second desired cartographic entity based upon the operational mode; and

c) simultaneously displaying the first and second desired cartographic entity on the video display at the desired intensities.

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26. (Amended) The method of claim 25, wherein the focal cartographic entity is a vehicle route having an vehicle route intensity and step b) includes selecting the desired intensity for the desired cartographic entity which is different than the vehicle route intensity.

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